

Name: _____

Date: _____

FOIL and Factor solution (version 103)

FOIL the expressions shown below:

1. $(x - 2)(x + 3)$

$$x^2 + x - 6$$

2. $(x + 5)(x + 4)$

$$x^2 + 9x + 20$$

3. $(x + 4)(x + 9)$

$$x^2 + 13x + 36$$

4. $(x + 8)(x - 5)$

$$x^2 + 3x - 40$$

5. $(x + 6)(x + 7)$

$$x^2 + 13x + 42$$

Factor the expressions shown below:

6. $x^2 + 10x + 25$

$$(x + 5)(x + 5)$$

7. $x^2 + 12x + 27$

$$(x + 3)(x + 9)$$

8. $x^2 + 14x + 45$

$$(x + 9)(x + 5)$$

9. $x^2 - 2x - 48$

$$(x - 8)(x + 6)$$

10. $x^2 - 6x + 8$

$$(x - 4)(x - 2)$$